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(54) Title: SUPPRESSION OF NON-SPECIFIC NUCLEIC ACID AMPLIFICATION

(57) Abstract: The invention discloses methods of reducing background signal in nucleic acid amplification reactions by the use of primers in the case of isothermal amplification which include at least one modification selected from a nucleotide analogue, a hairpin loop at the 5' end of the primer, a ribonucleotide or a fluor or quencher. For more general nucleic acid amplification reactions the primer includes at least two of the modifications.

## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 36141 A (HAFNER GREGORY JOHN ;STAFFORD MARK RICHARD (AU); WOLTER LINDSAY CO) 22 June 2000 (2000-06-22) page 1 -page 3 page 9 page 13 -page 18 page 24 -page 28 page 35 page 45 -page 46	1-6
X	WO 98 04746 A (SINAI SCHOOL MEDICINE) 5 February 1998 (1998-02-05) page 10 -page 11 page 17 page 19 -page 31 page 41 page 59 -page 64	1-6
	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 681 697 A (FULTZ TIMOTHY ET AL) 28 October 1997 (1997-10-28) the whole document	1-6
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Information on patent family members

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